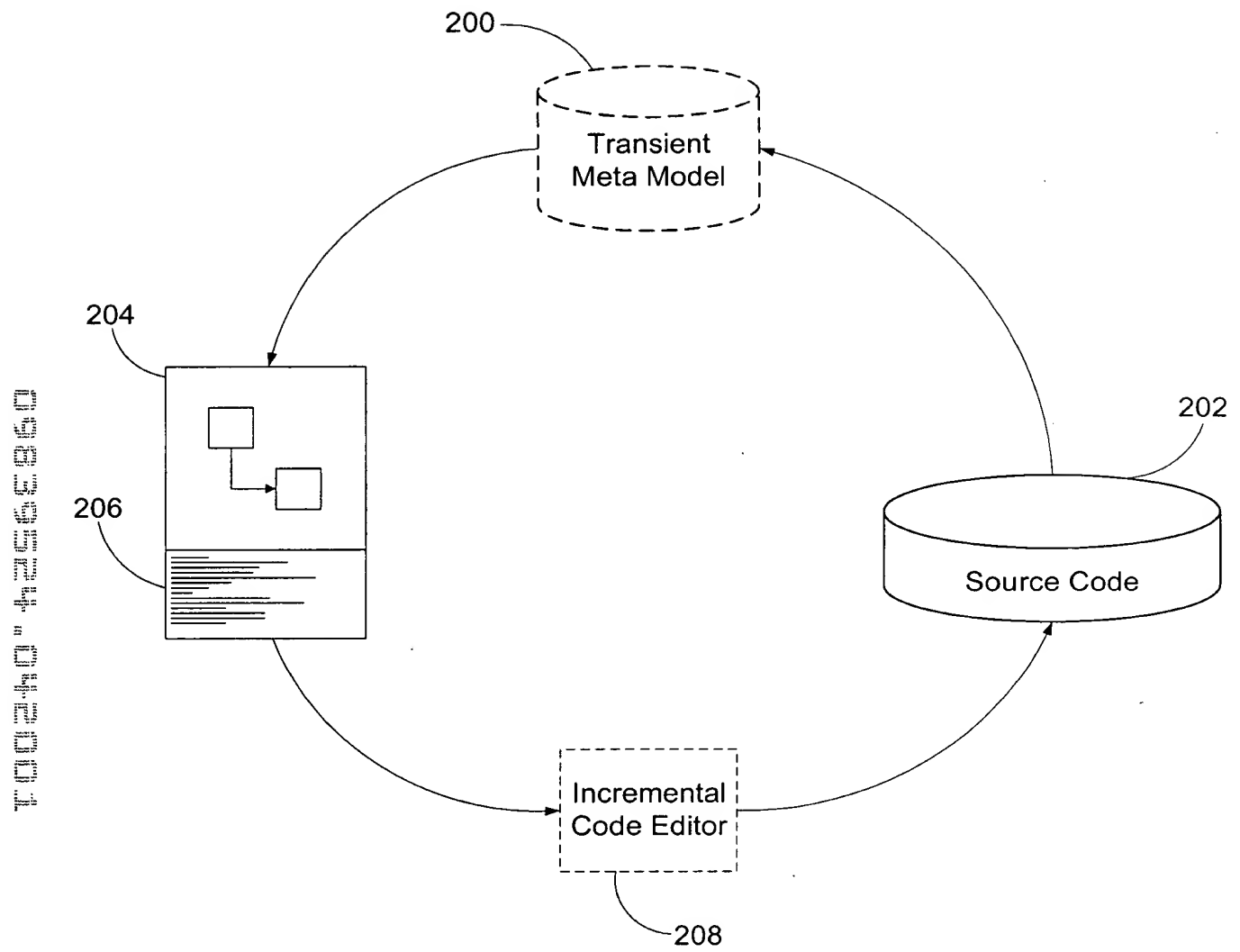


**FIG. 1**  
**(Prior Art)**



**FIG. 2**

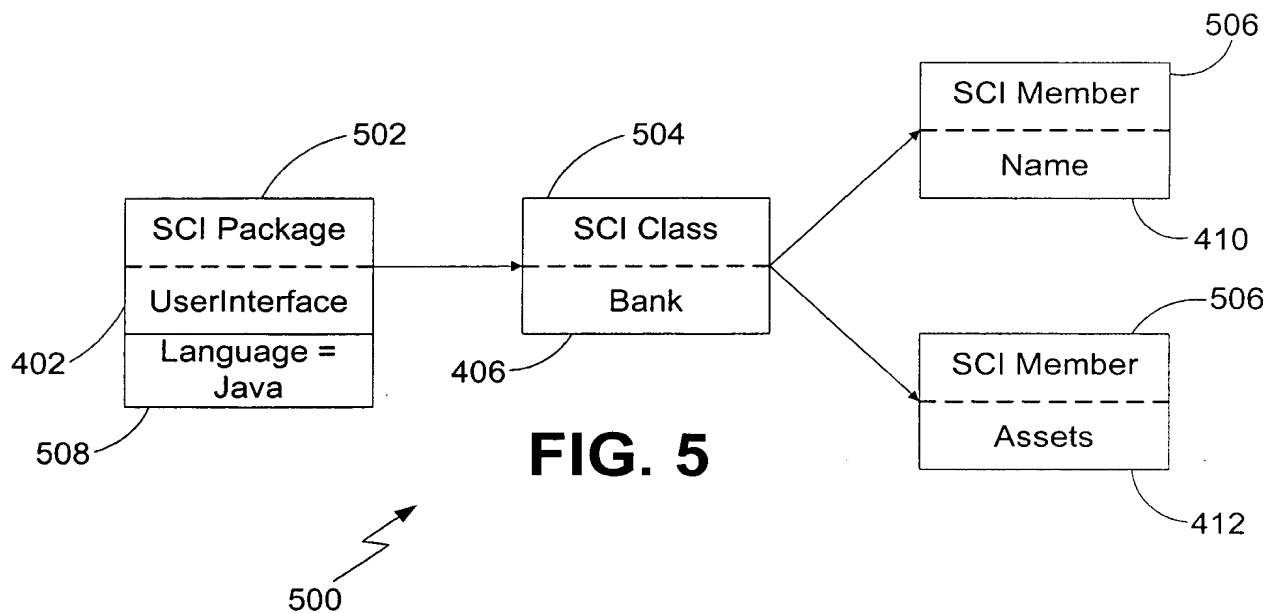
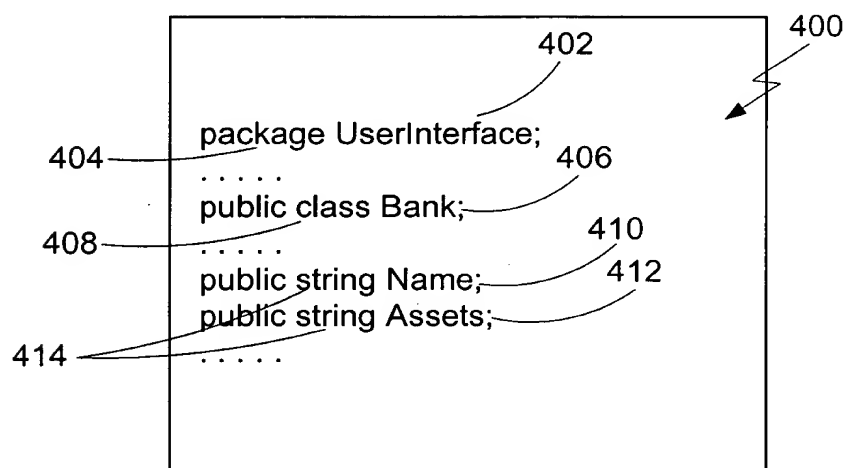
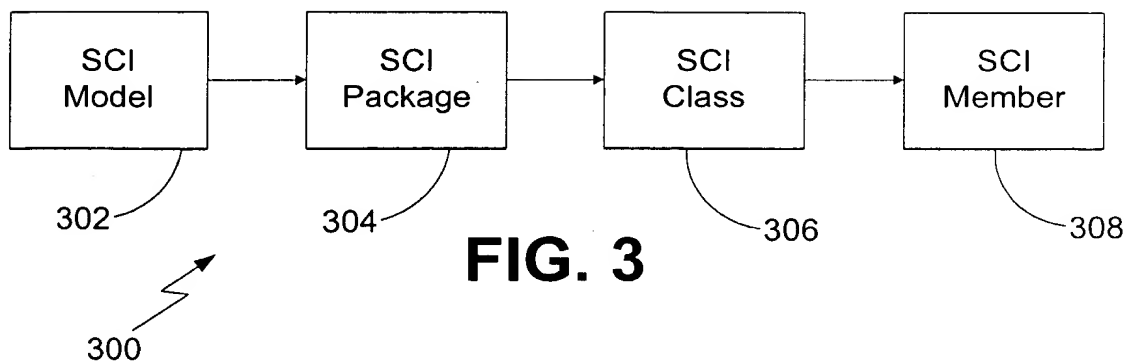


FIG. 6

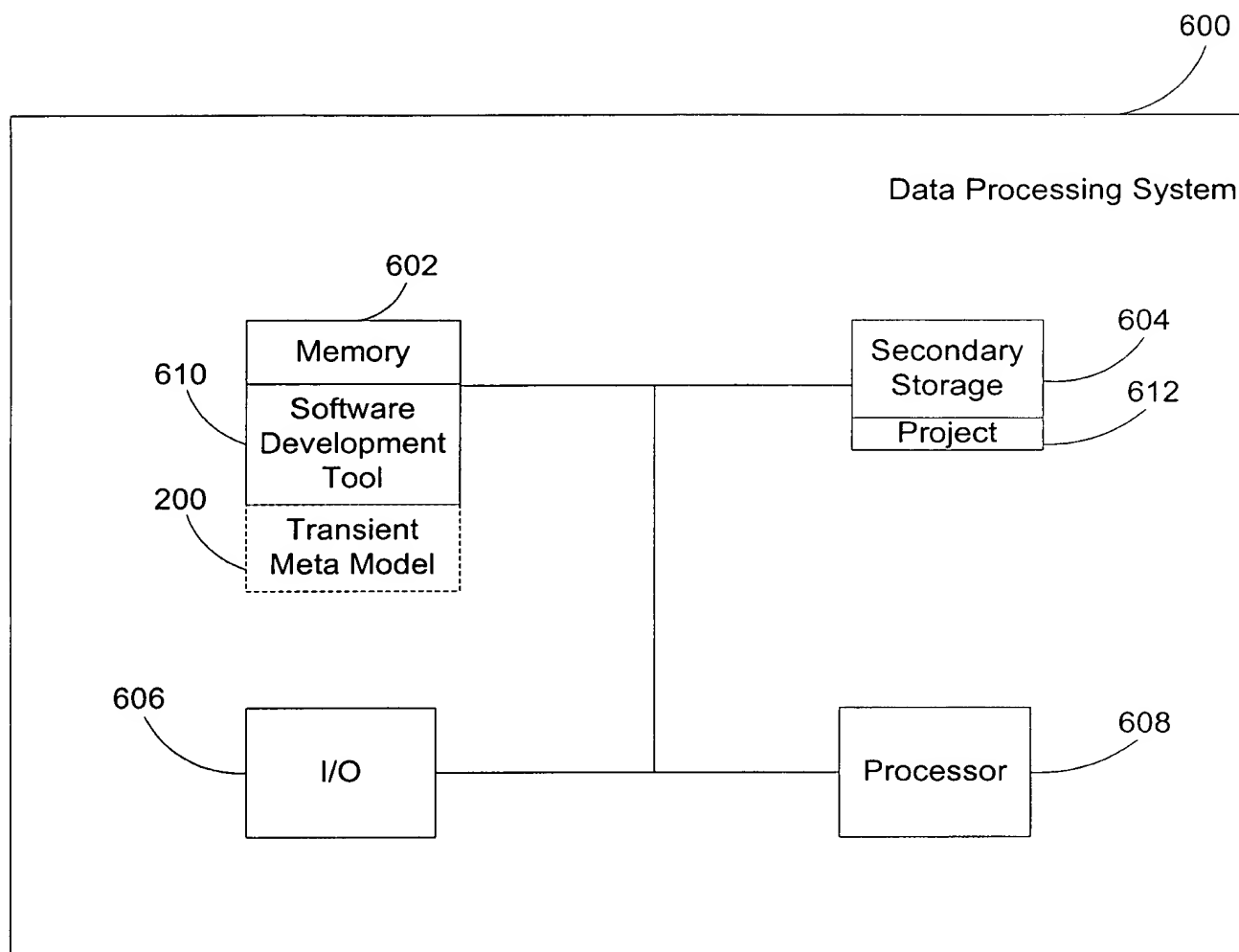
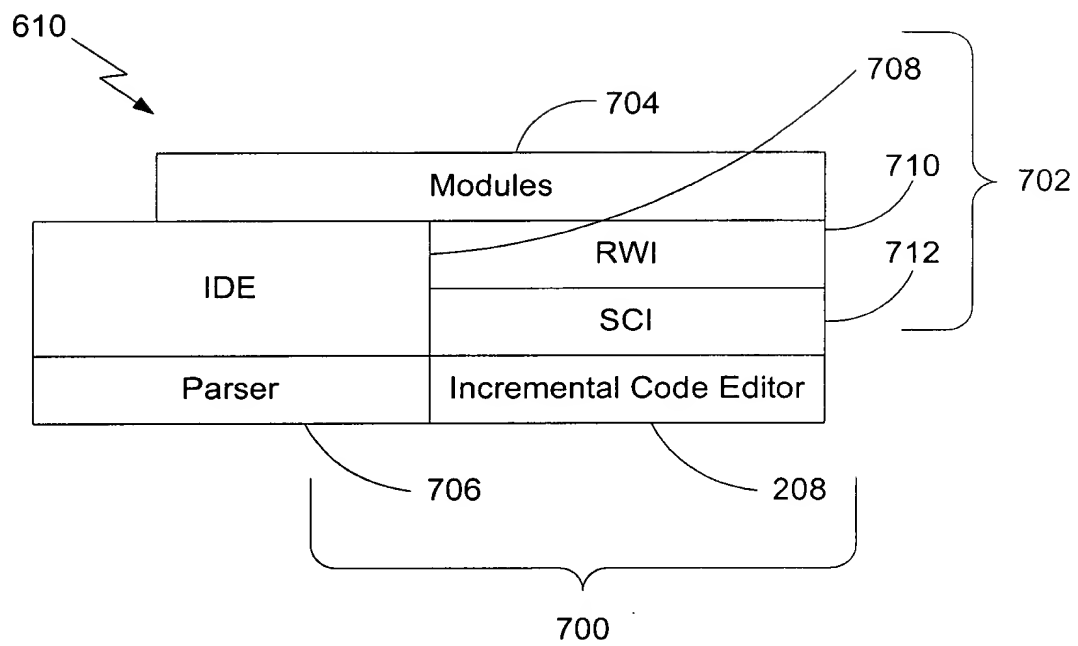
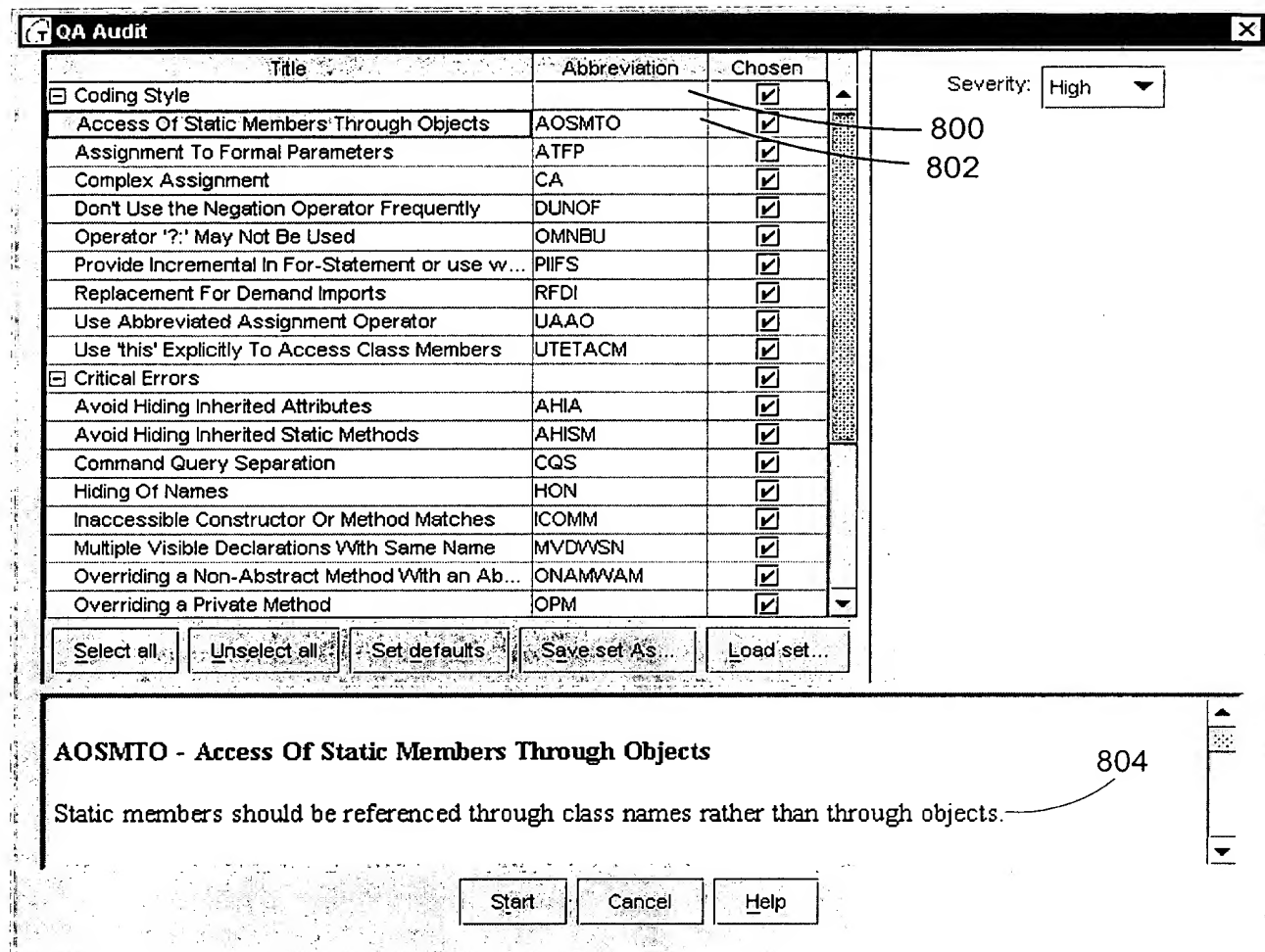


FIG. 6



**FIG. 7**



**FIG. 8A**

100240-4255050

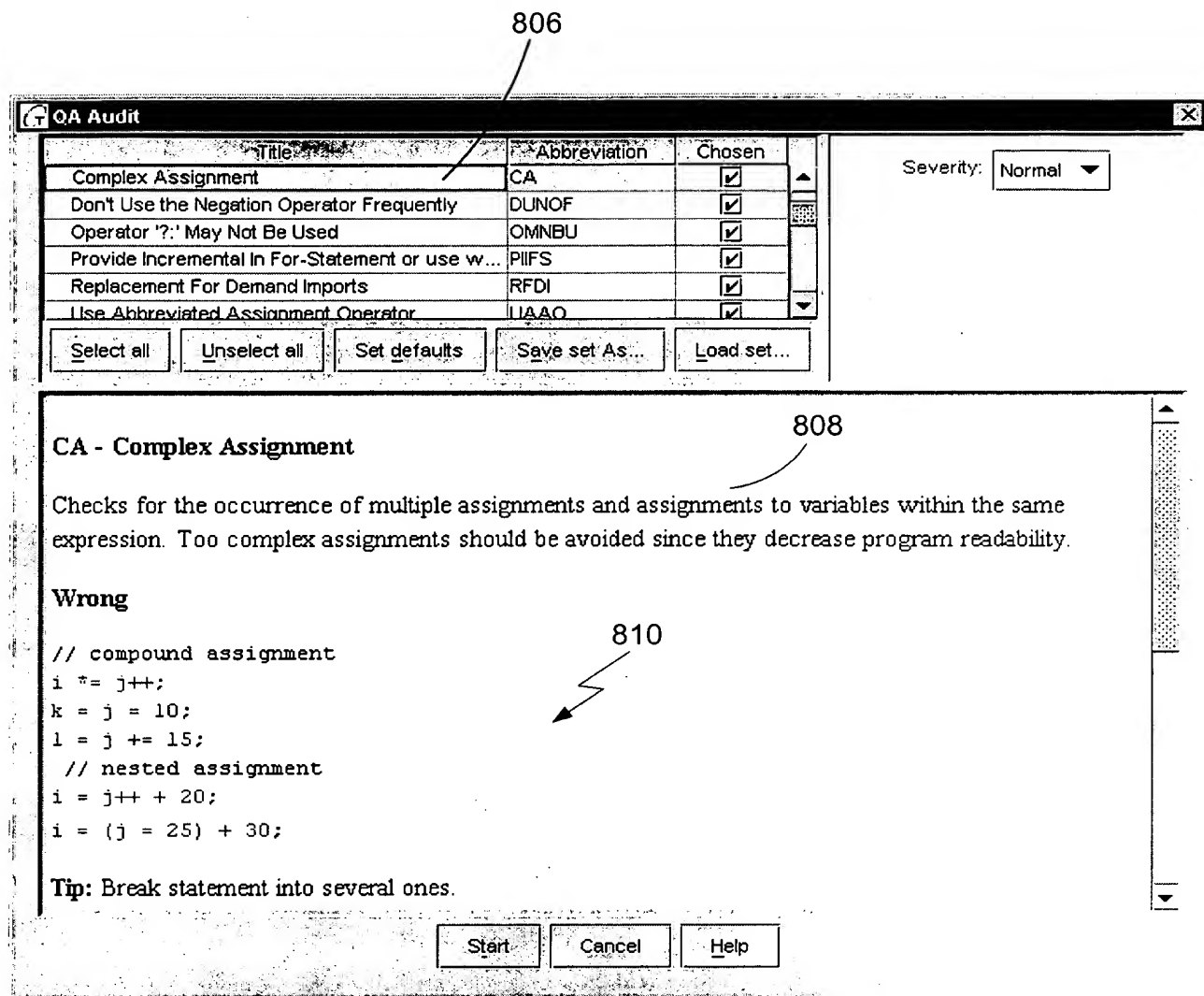


FIG. 8B

806

QA Audit

Title	Abbreviation	Chosen
Complex Assignment	CA	<input checked="" type="checkbox"/>
Don't Use the Negation Operator Frequently	DUNOF	<input checked="" type="checkbox"/>
Operator '?' May Not Be Used	OMNBU	<input checked="" type="checkbox"/>
Provide Incremental In For-Statement or use w...	PIIFS	<input checked="" type="checkbox"/>

Severity: Normal ▼

Select all Unselect all Set defaults Save set As... Load set...

**Tip:** Break statement into several ones.

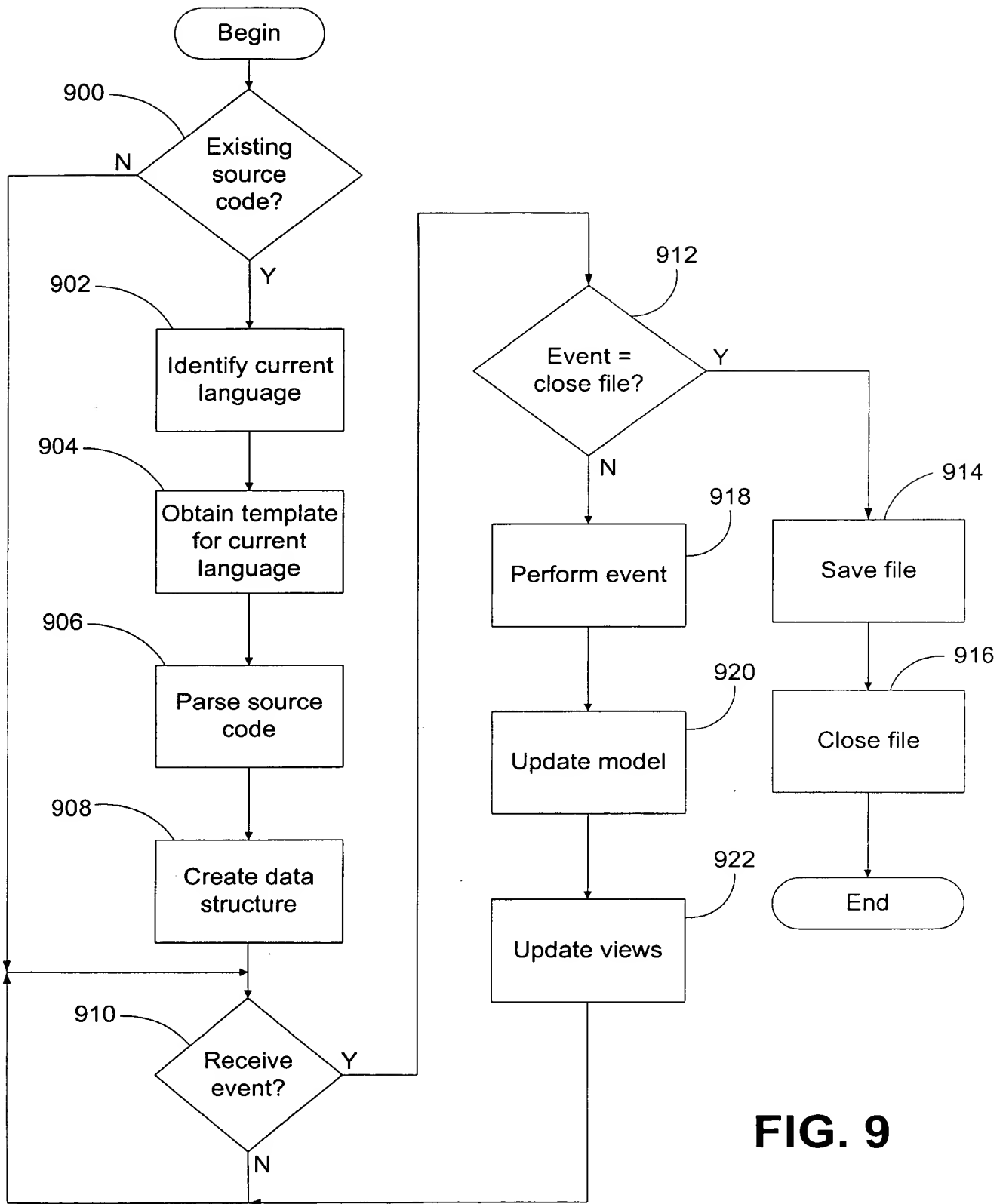
**Right**

```
// instead of i *= j++;
j++;
i *= j
// instead of k = j = 10;
k = 10;
j = 10;
// instead of l = j += 15;
j += 15;
l = j;
// instead of i = j++ + 20;
j++;
i = j + 20;
// instead of i = (j = 25) + 30;
j = 25;
i = j + 30;
```

Start Cancel Help

FIG. 8C





**FIG. 9**

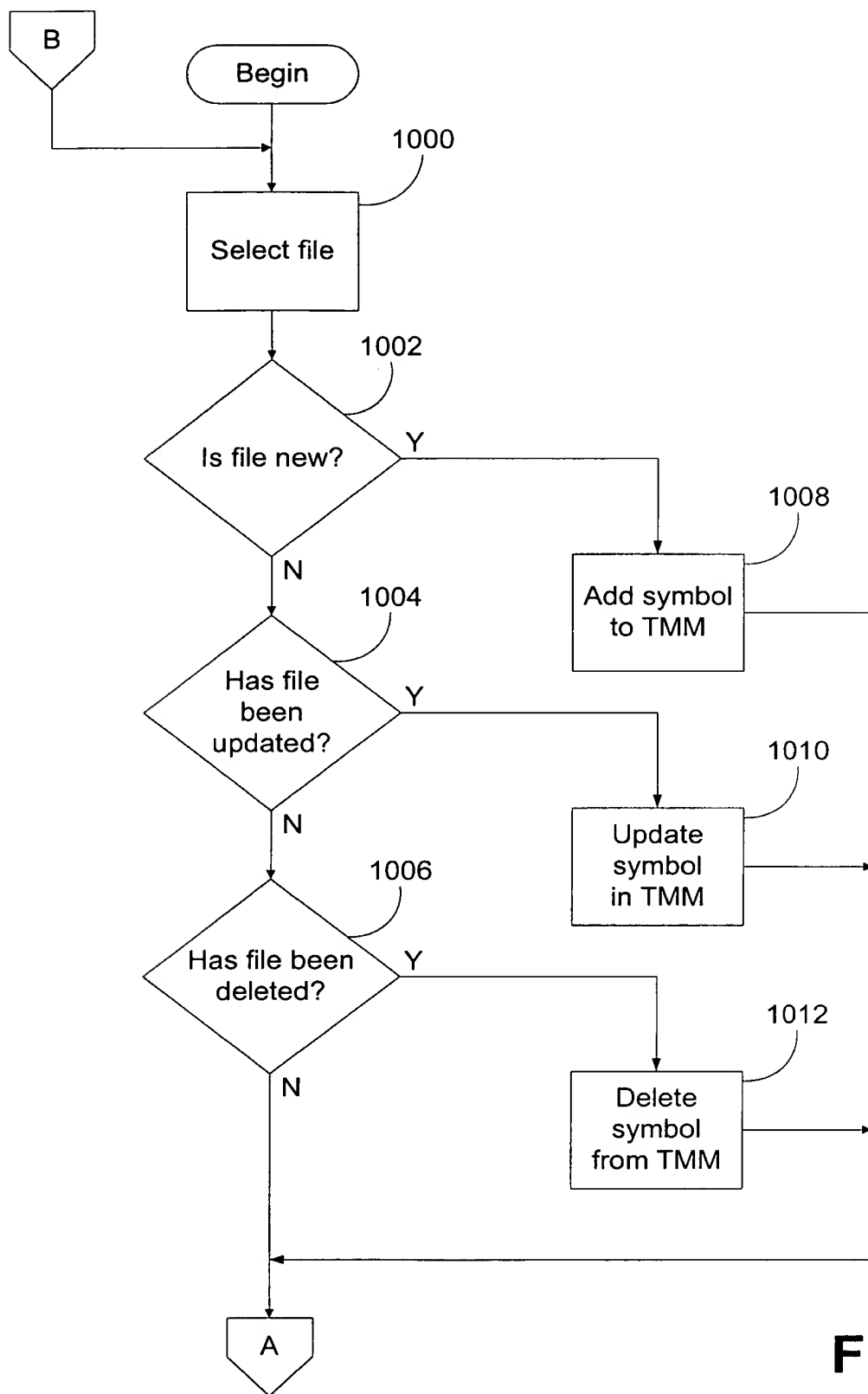


FIG. 10A

FIG. 10B

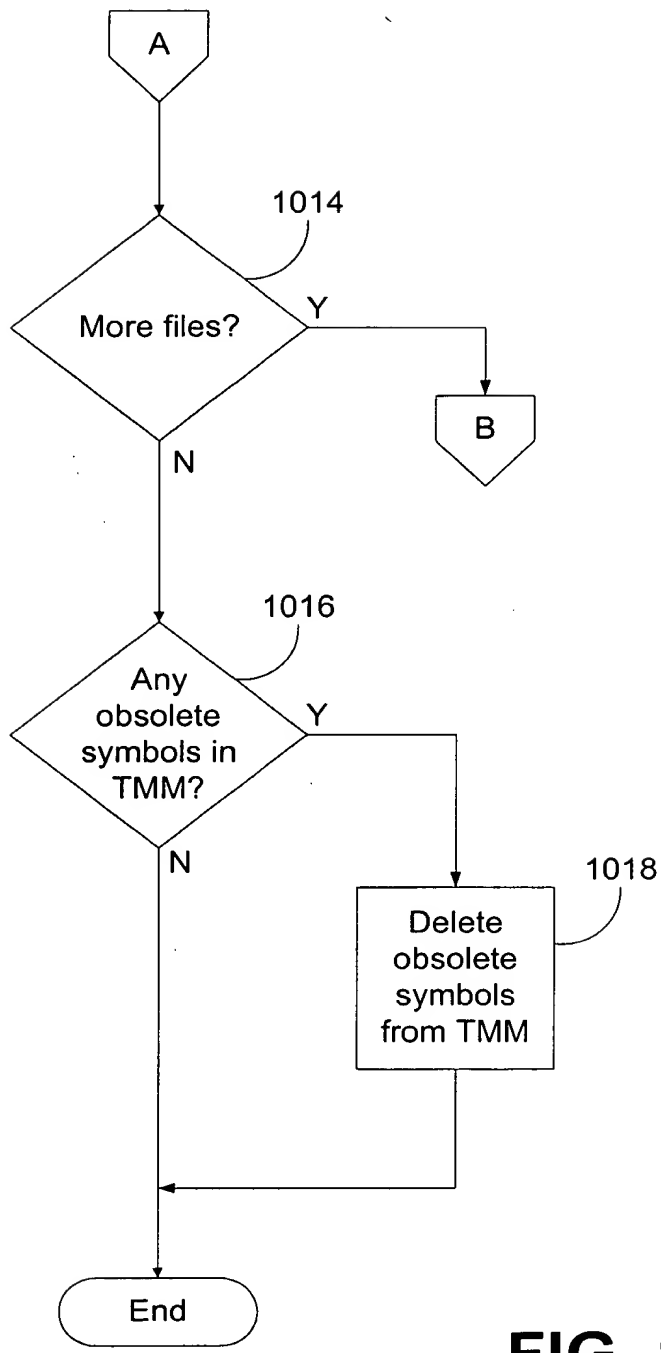
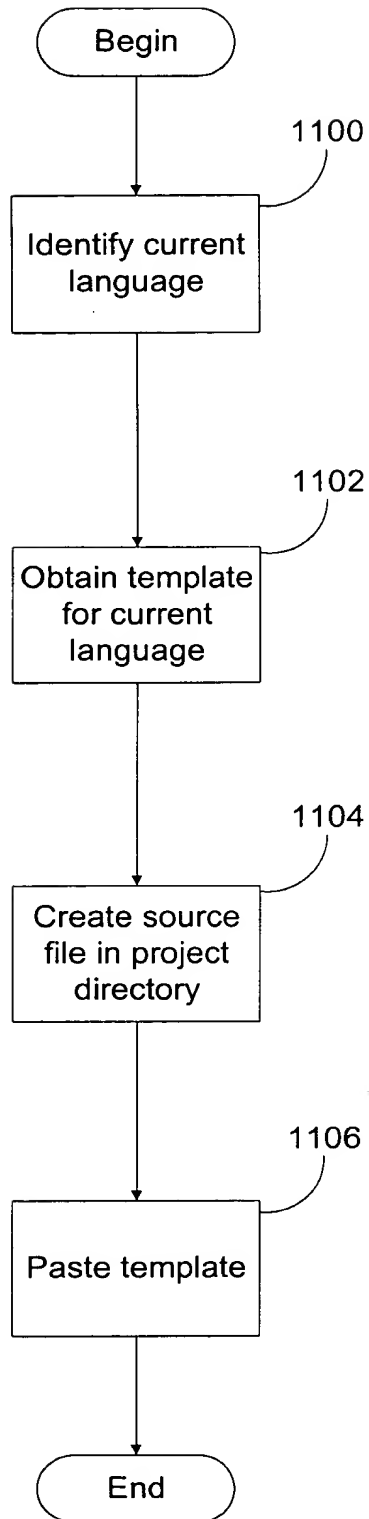


FIG. 10B



**FIG. 11**

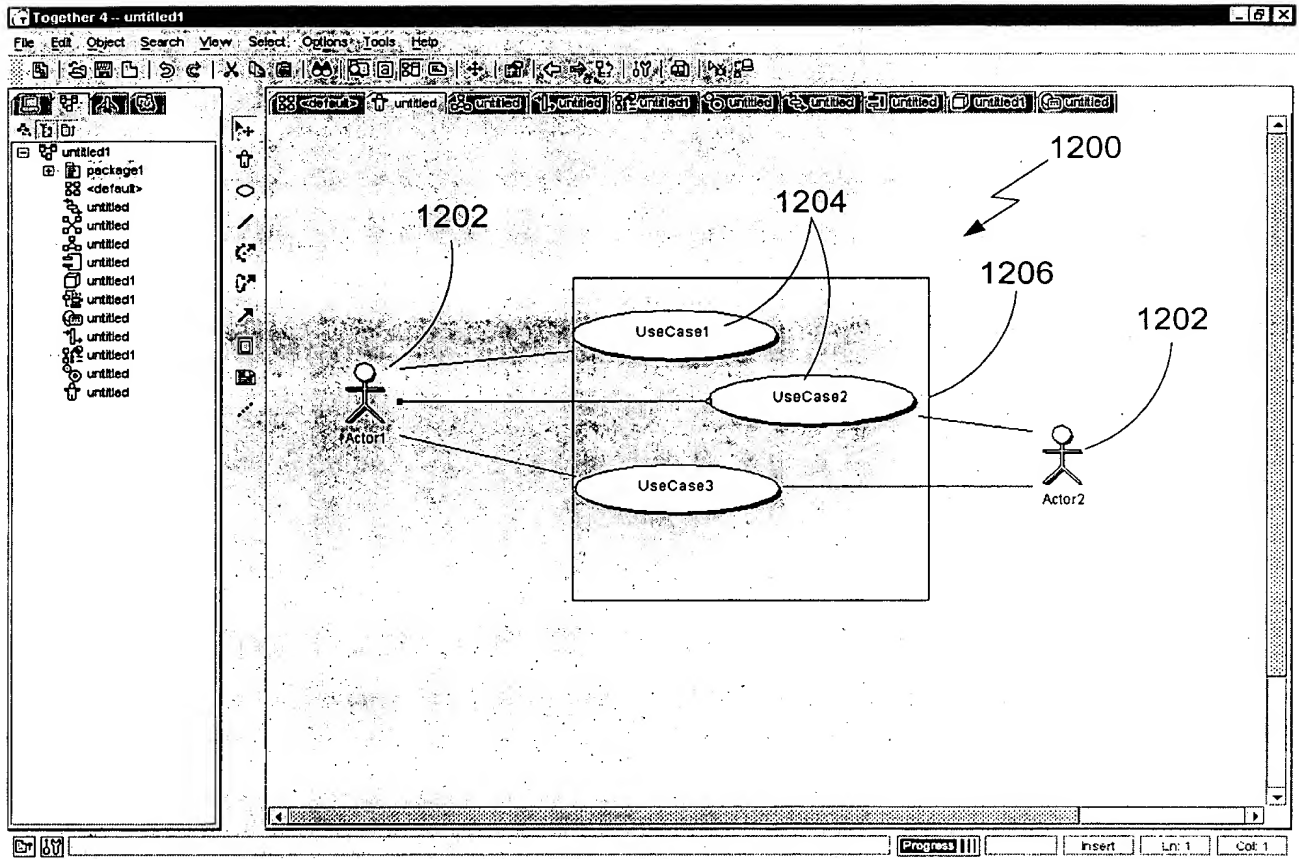


FIG. 12

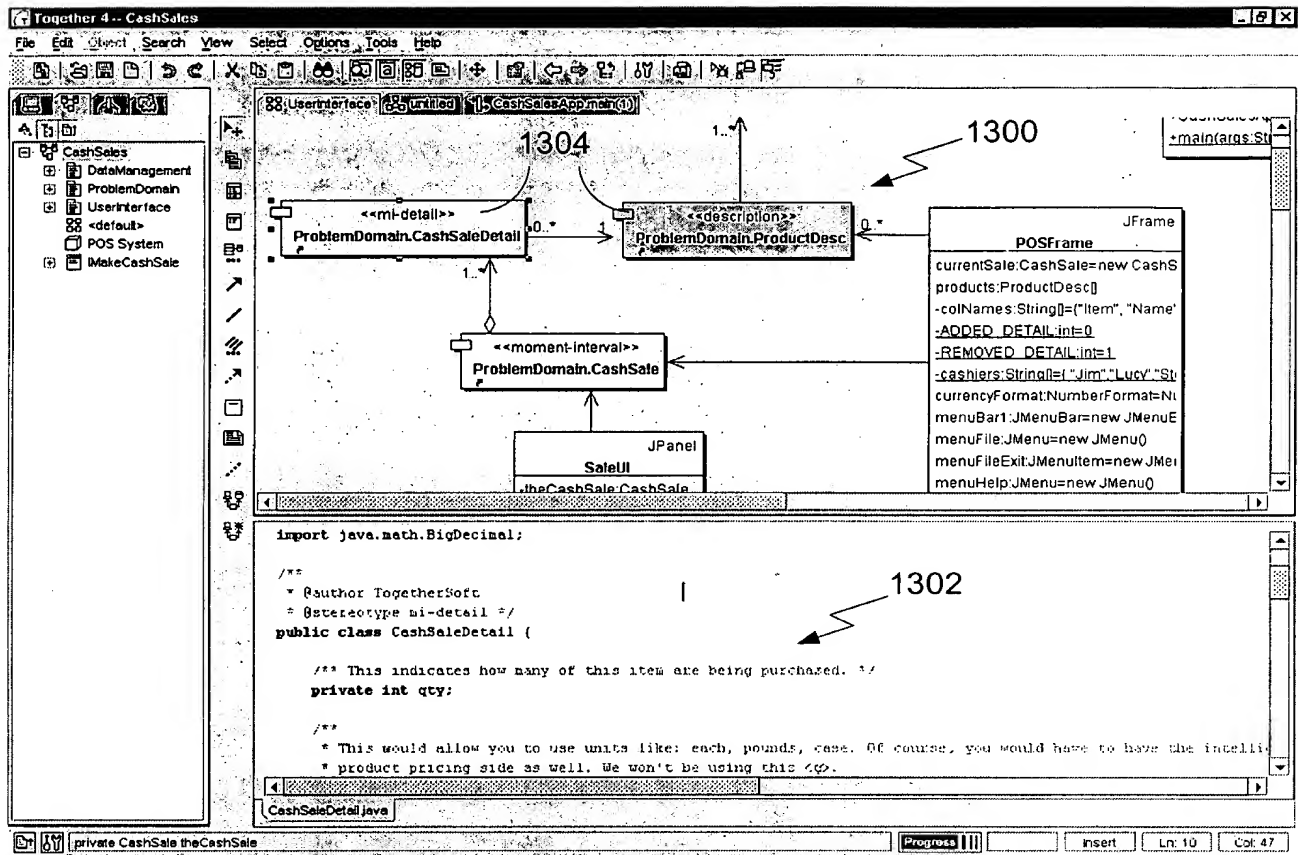


FIG. 13

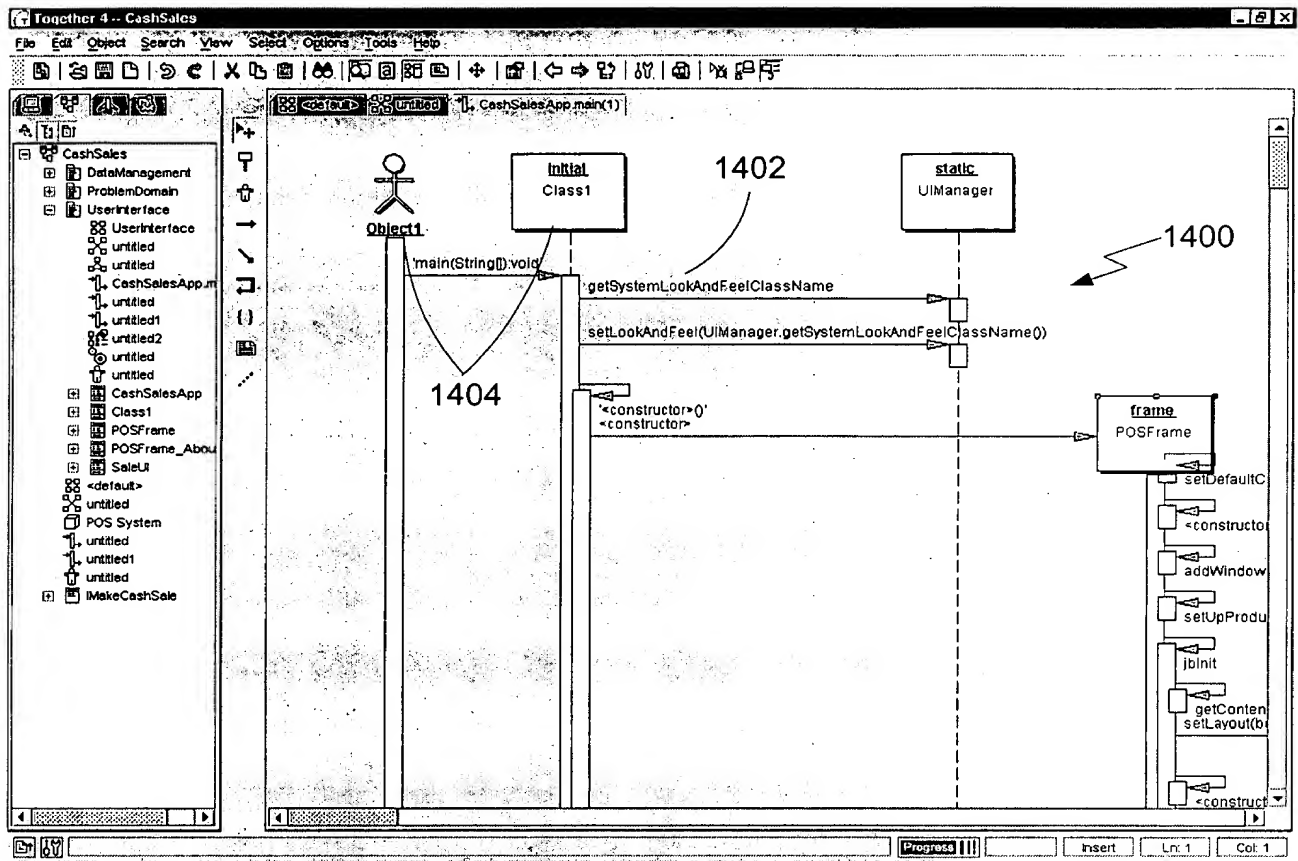


FIG. 14

FIG. 15

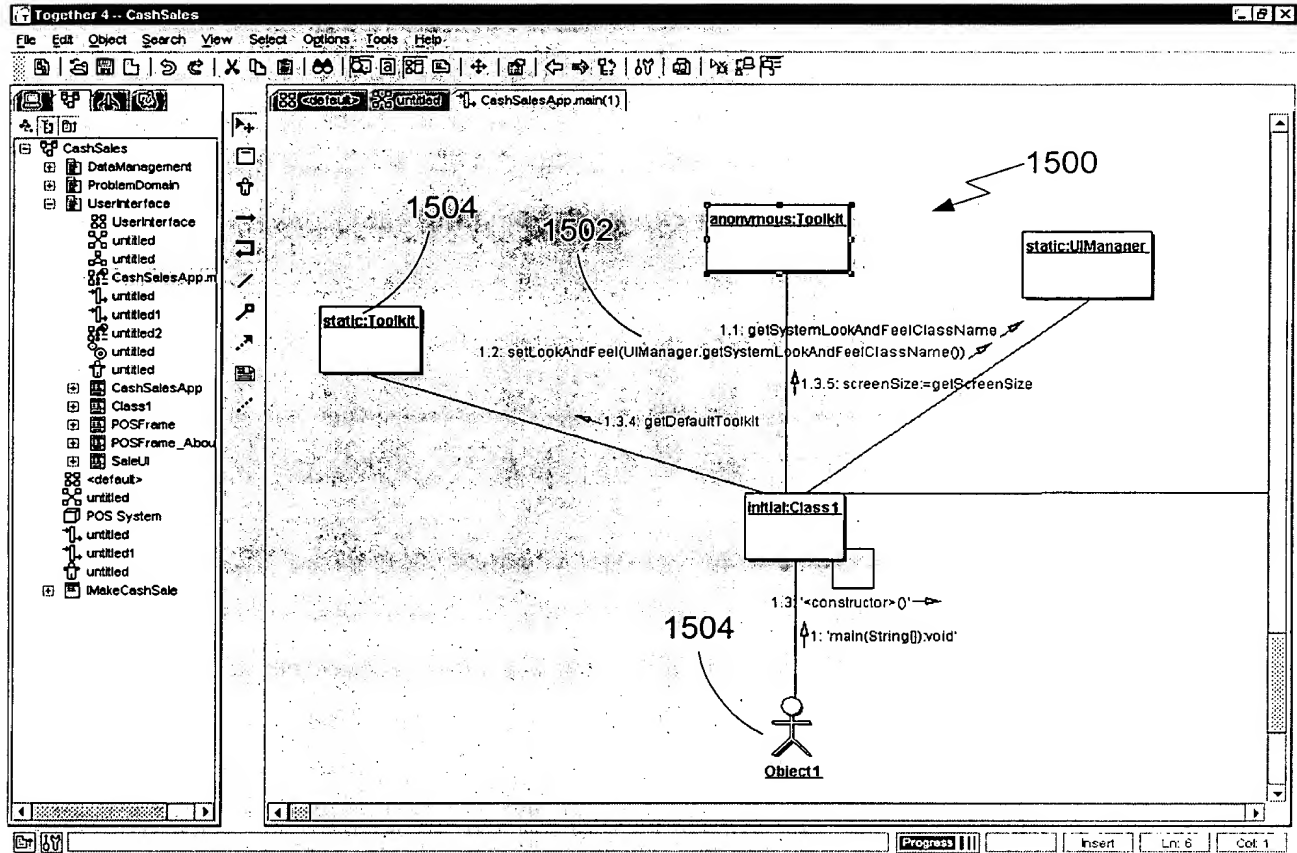


FIG. 15



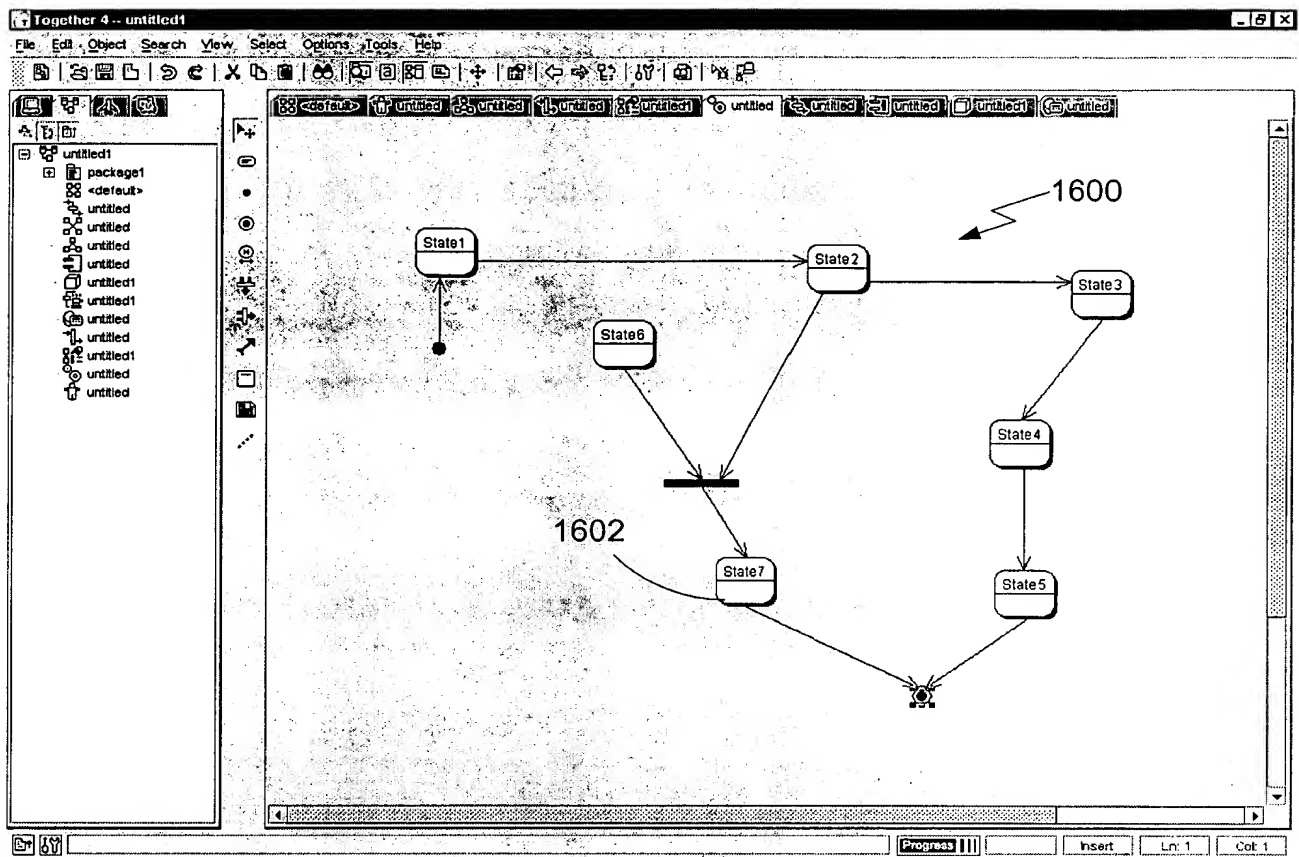


FIG. 16

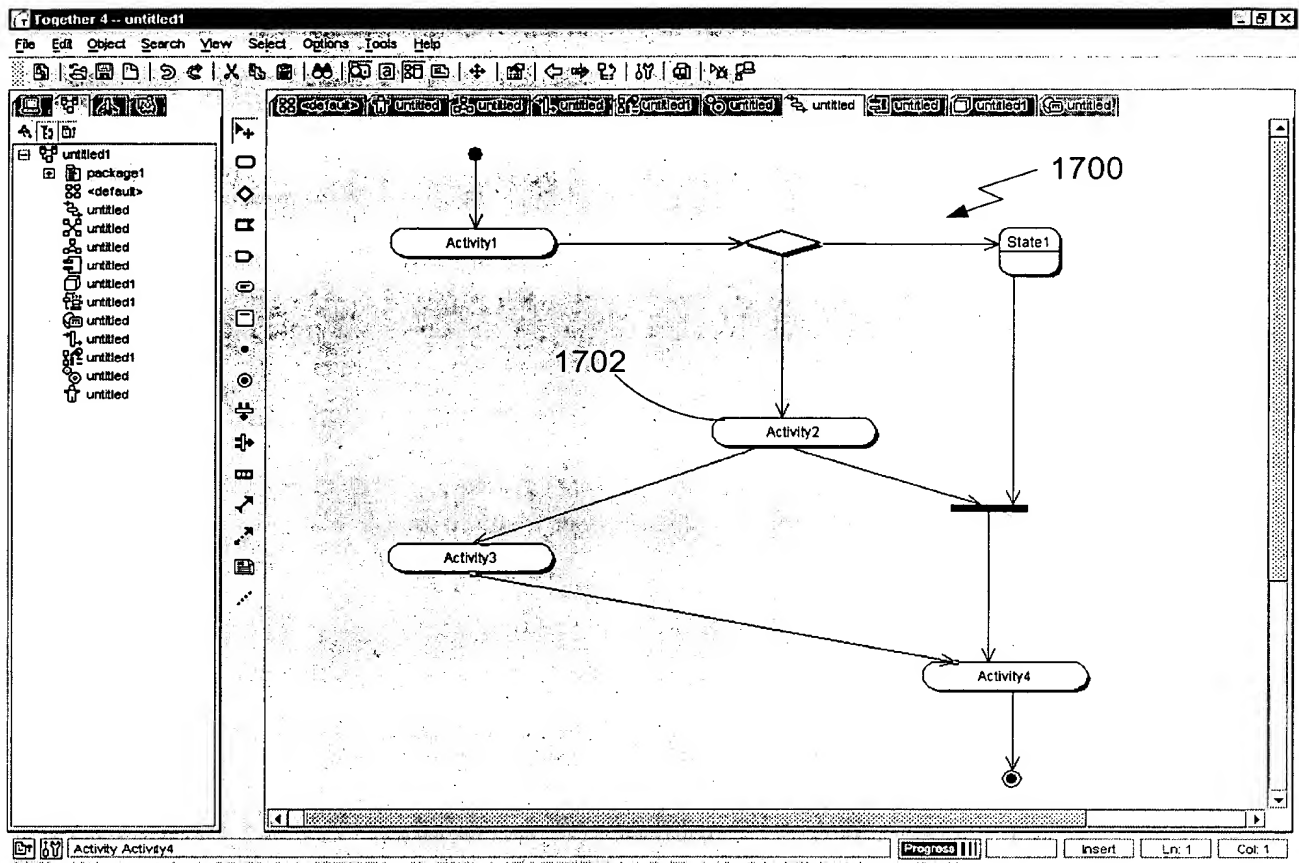


FIG. 17

FIG. 18

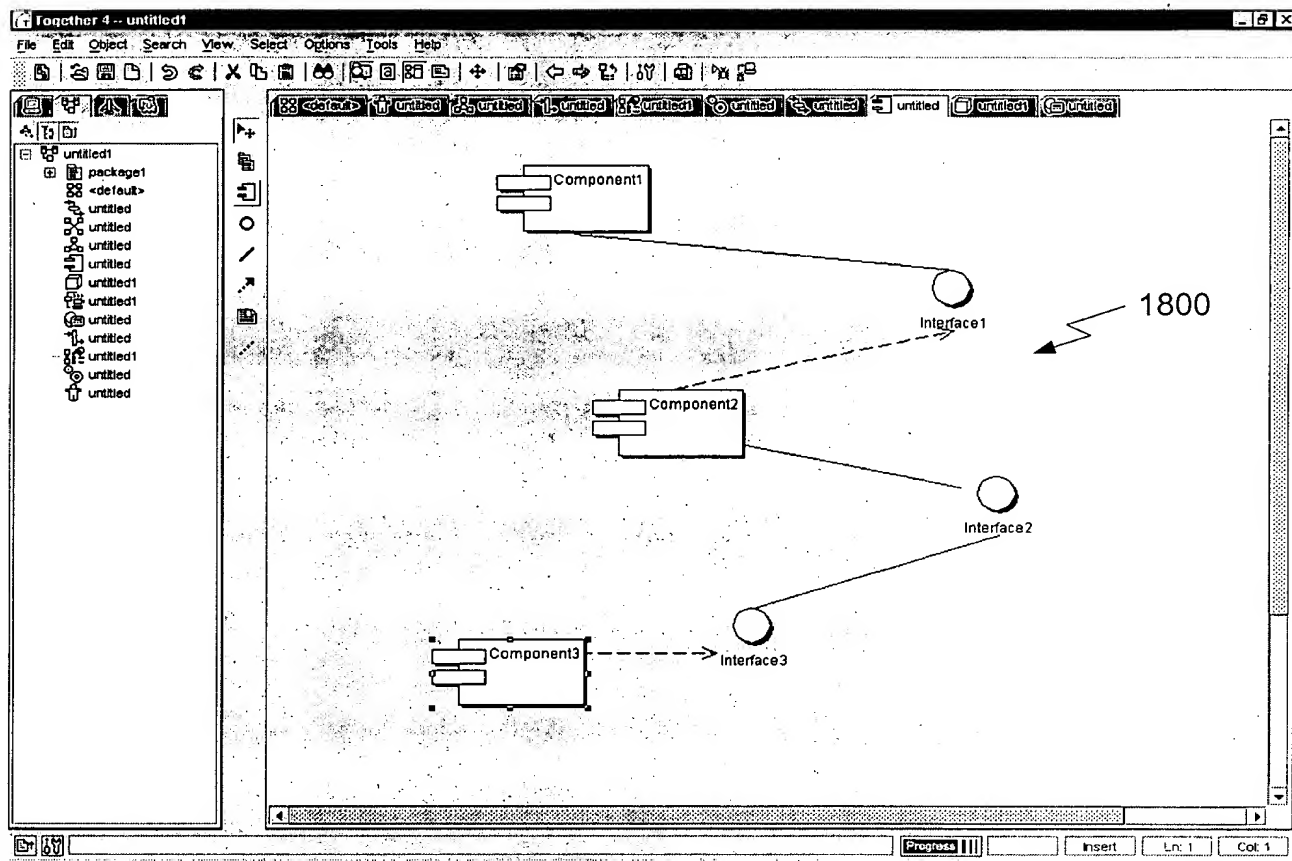


FIG. 18

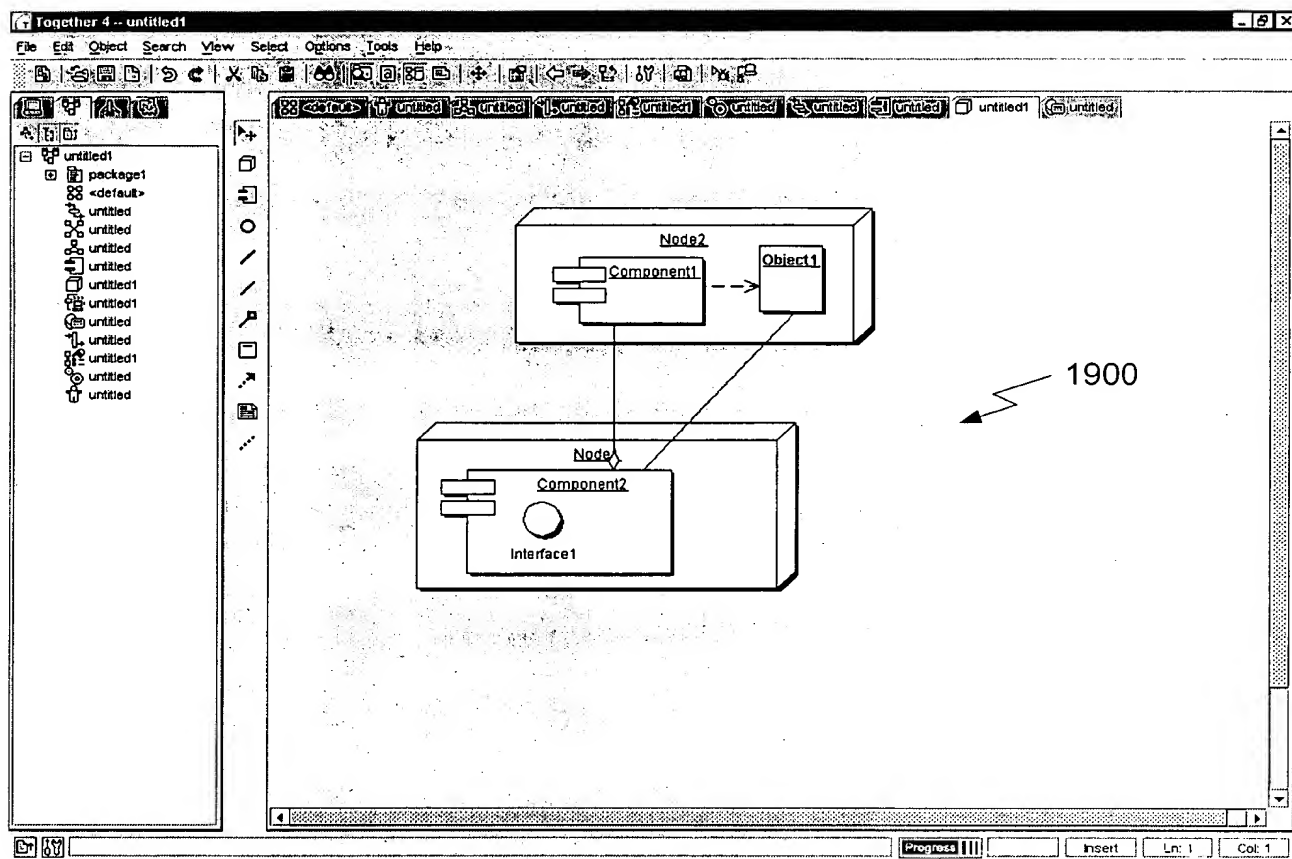
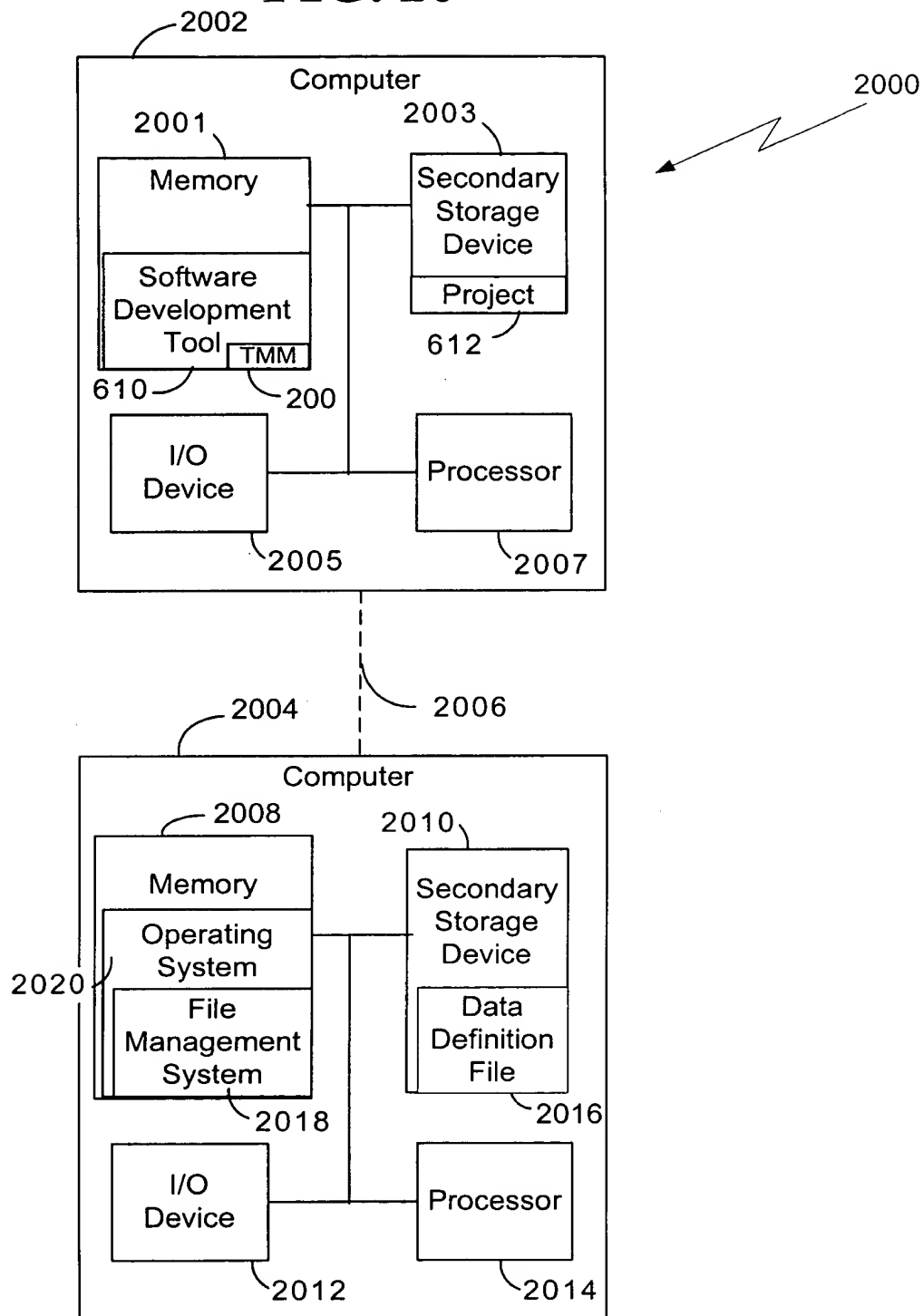
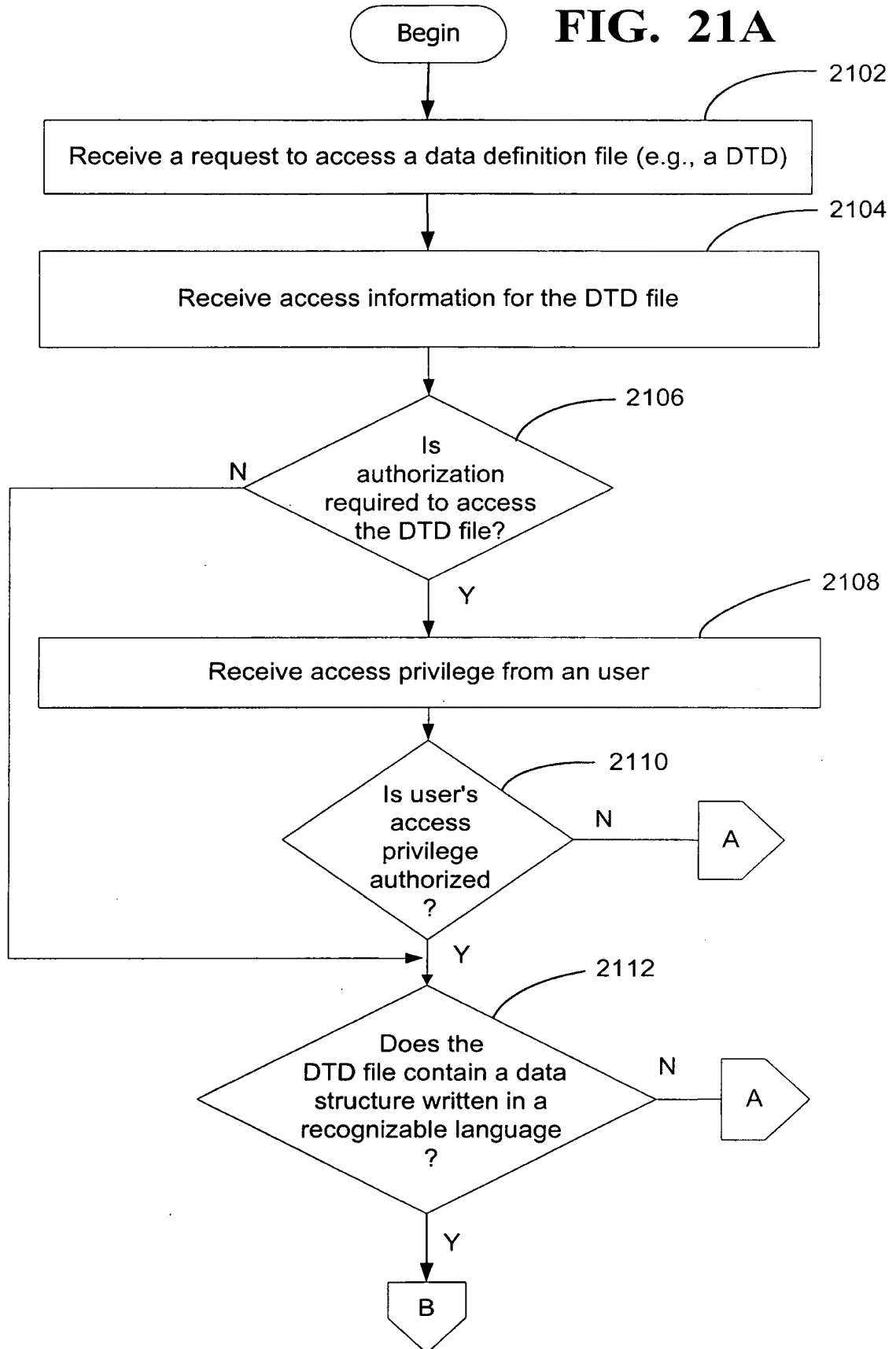


FIG. 19

**FIG. 20**



**FIG. 21A**



**FIG. 21B**

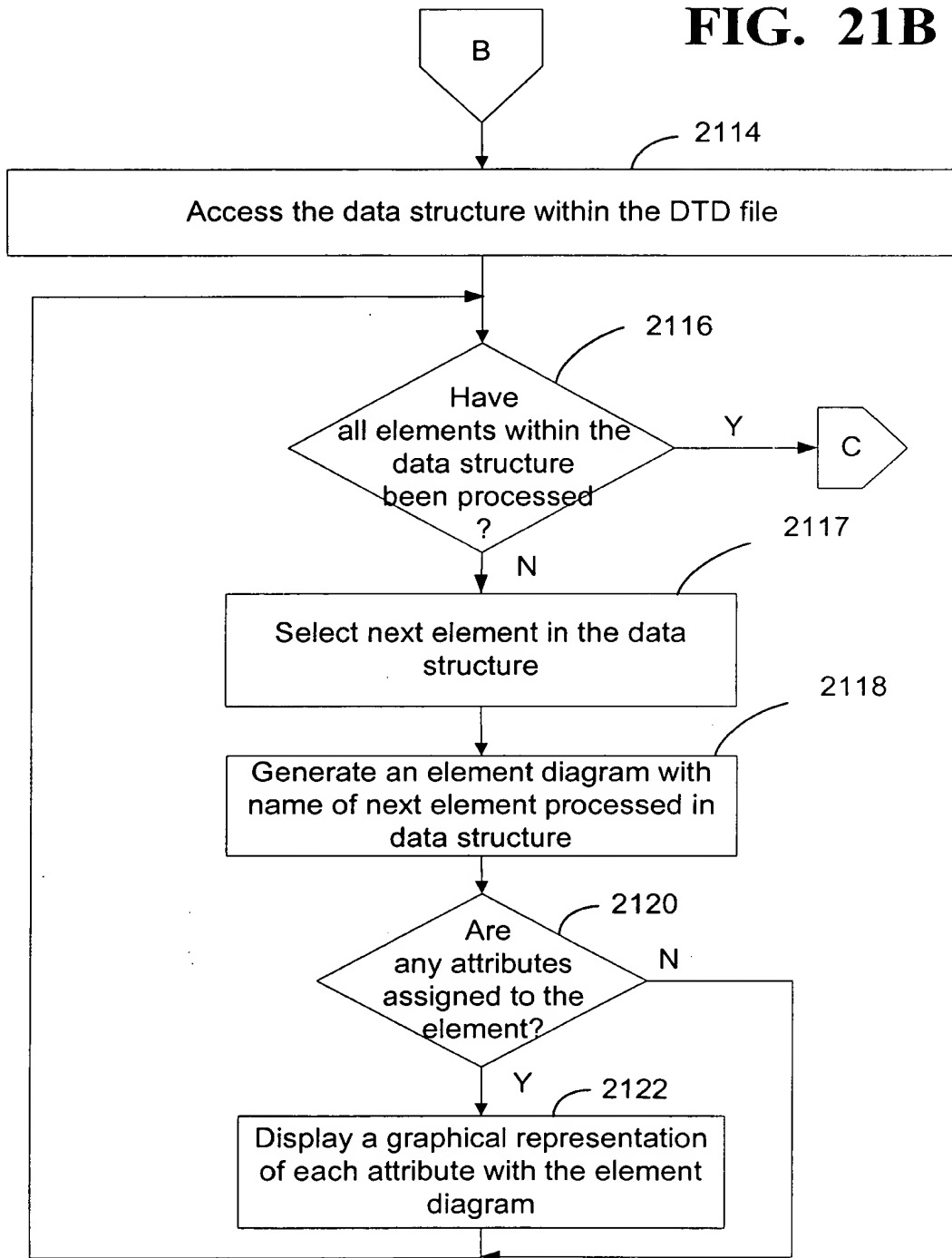


FIG. 21C

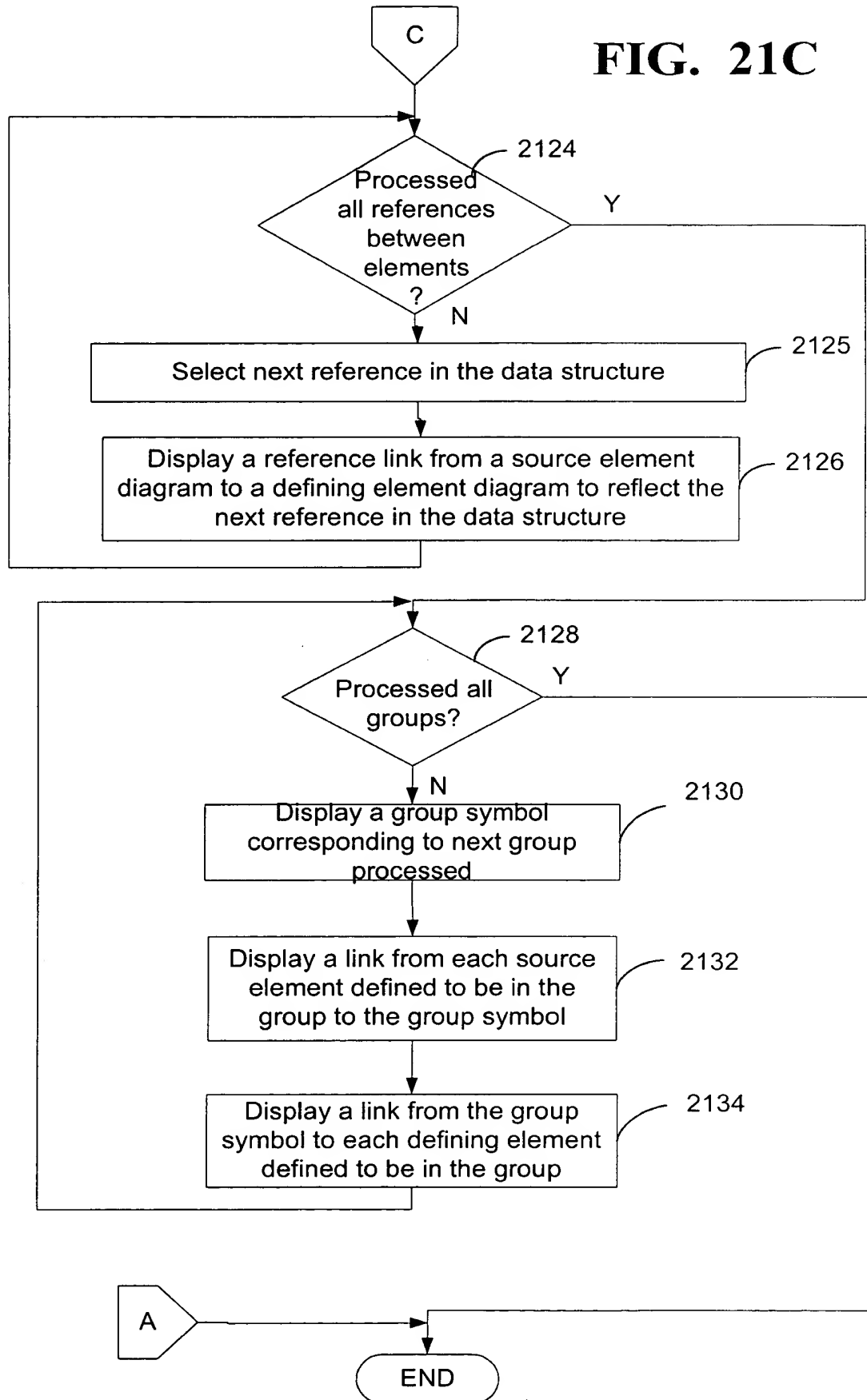
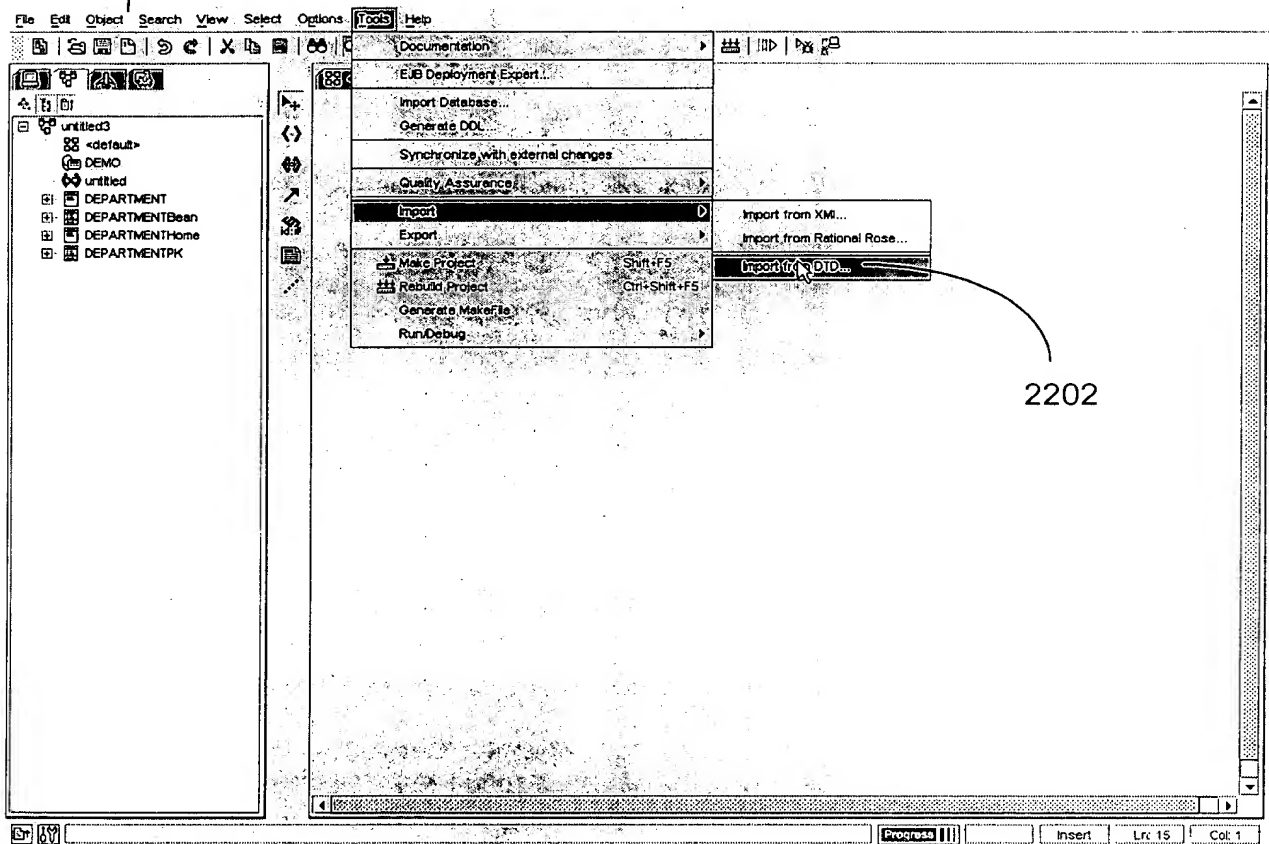




FIG. 22

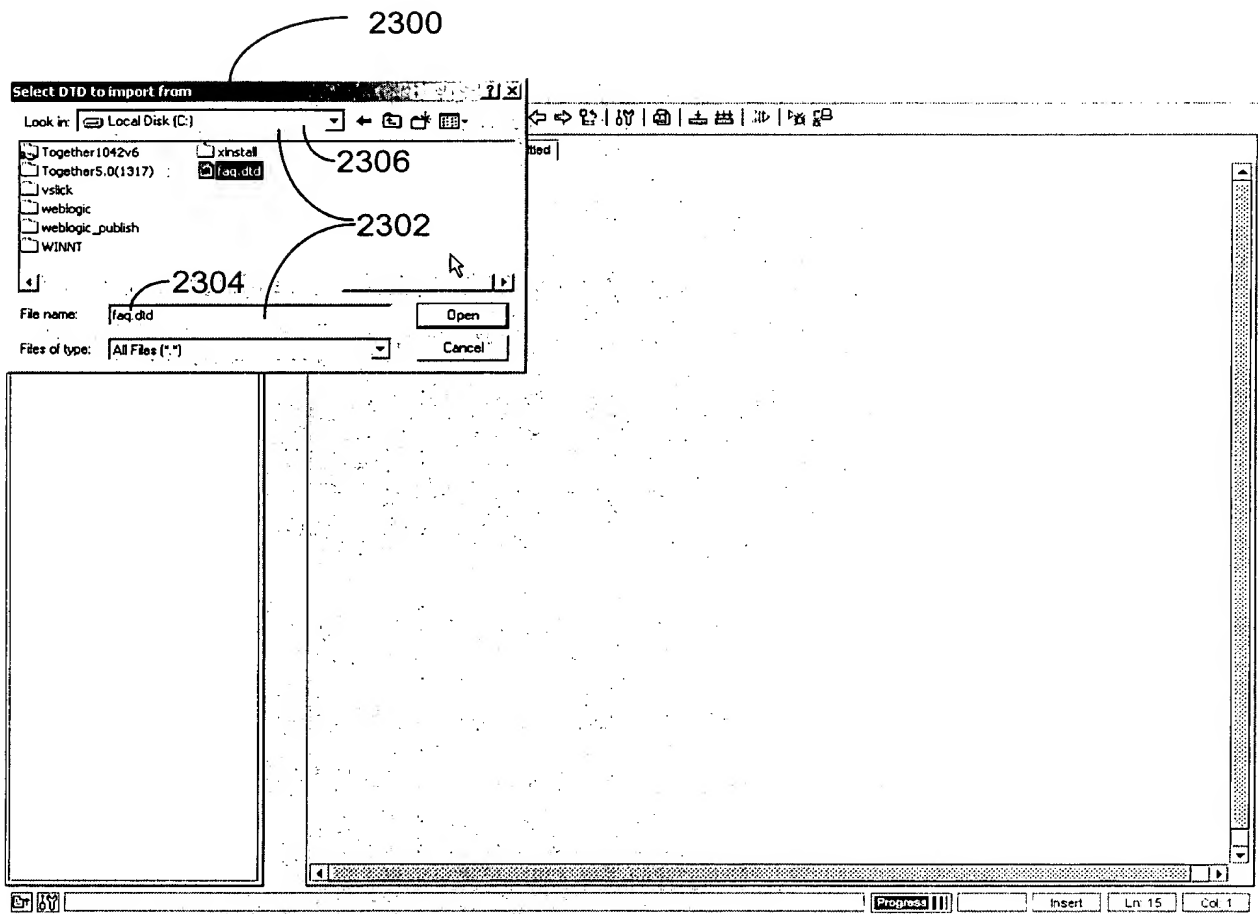
2200



2202

FIG. 22

FIG. 23



# FIG. 24

2402

```
<?xml version="1.0" encoding="ASCII"?>
<!-- Generated by Together -->
<!-- Processing instructions -->
<!-- Attribute entities -->
<!-- Reusable attribute is presented as an entity -->
<!ENTITY % comment "comment CDATA #IMPLIED " >
<!ENTITY % job_description "job_description CDATA #IMPLIED " >
<!-- Attribute group entities -->
<!-- Attribute groups are also presented as entity parameters-->
<!ENTITY % name "first_name CDATA 'ivan' last_name CDATA #REQUIRED
second_name CDATA #IMPLIED " >
<!-- Model group entities -->
<!-- Model groups are presented as entity parameters as well -->
<!ENTITY % xmlModelGroup1 "hierarchy? , url* , personal , email* " >
<!-- Elements -->
<!-- This is an element whose content is described in the Model Group 1 -->
<!ELEMENT employee ( %xmlModelGroup1; ) >
<!-- Here are the sttributes of this element -->
<!ATTLIST employee identifier CDATA #REQUIRED >
<!ELEMENT chief_executive ( %xmlModelGroup1; ) >
<!ATTLIST chief_executive identifier CDATA #REQUIRED >
<!ELEMENT url EMPTY >
<!ATTLIST url %job_description; >
<!ELEMENT email (#PCDATA) >
<!ATTLIST email address CDATA #IMPLIED %comment; >
<!ELEMENT personal (#PCDATA) >
<!-- Attribute a-dtype describes non-standard types of the other attributes -->
<!ATTLIST personal date_of_birth CDATA #REQUIRED %name; a-dtype
NMTOKENS "date_of_birth date " >
<!ELEMENT hierarchy EMPTY >
<!ATTLIST hierarchy subordinates IDREFS #IMPLIED supervisor ID #IMPLIED
%comment; position CDATA #REQUIRED >
<!ELEMENT personnel (employee* , chief_executive? ) >
<!-- General entities -->
<!ENTITY Entity1 "111">
<!ENTITY Entity2 PUBLIC "e2" "e2" NDATA Notation1 >
<!ENTITY Entity3 PUBLIC "e3" "e3" NDATA Notation2 >
<!-- Notations -->
<!NOTATION Notation1 PUBLIC "n1" "n1" >
<!NOTATION Notation2 PUBLIC "n2" "n2" >
```

2403

2414

2404

2406

2408

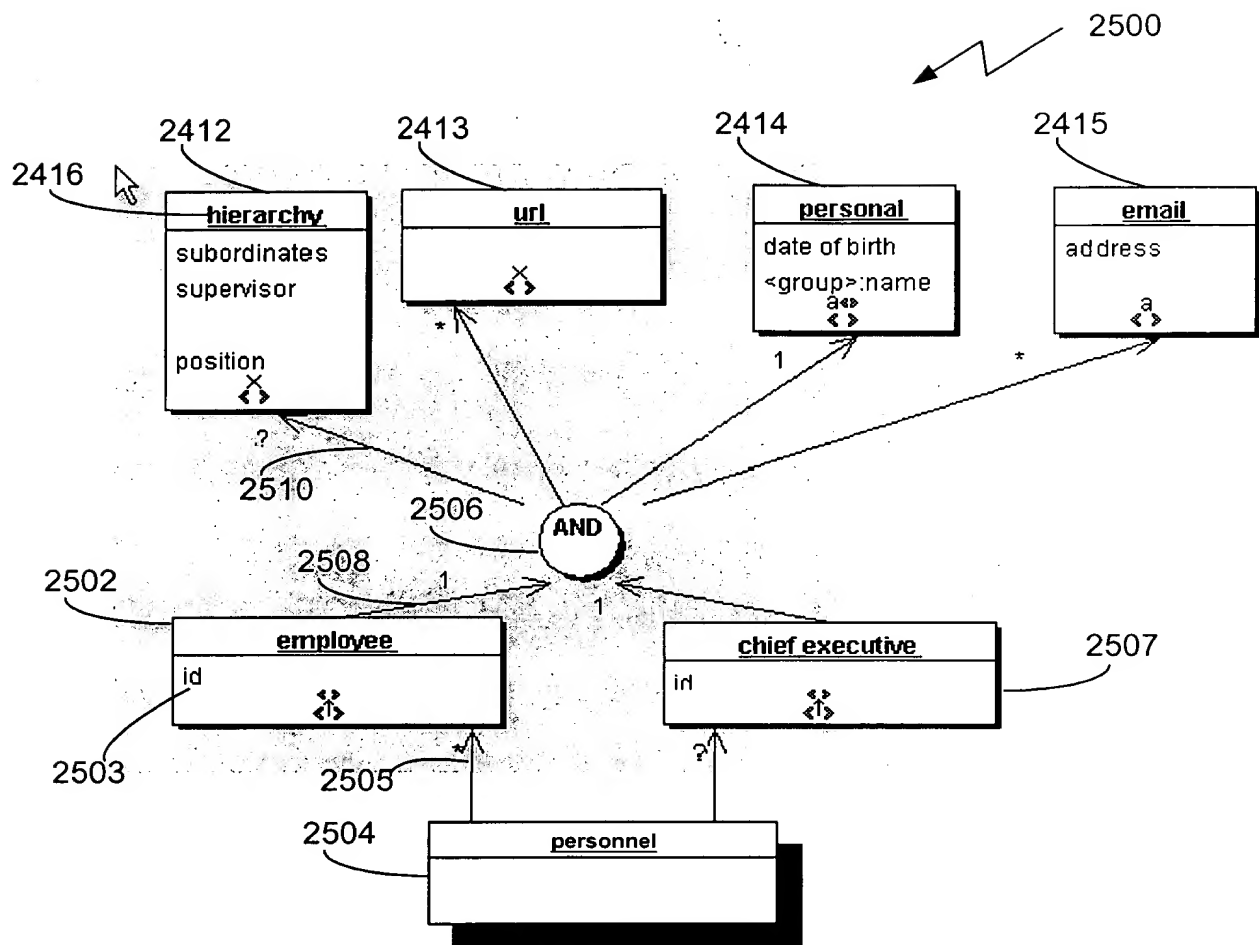
2410

2418

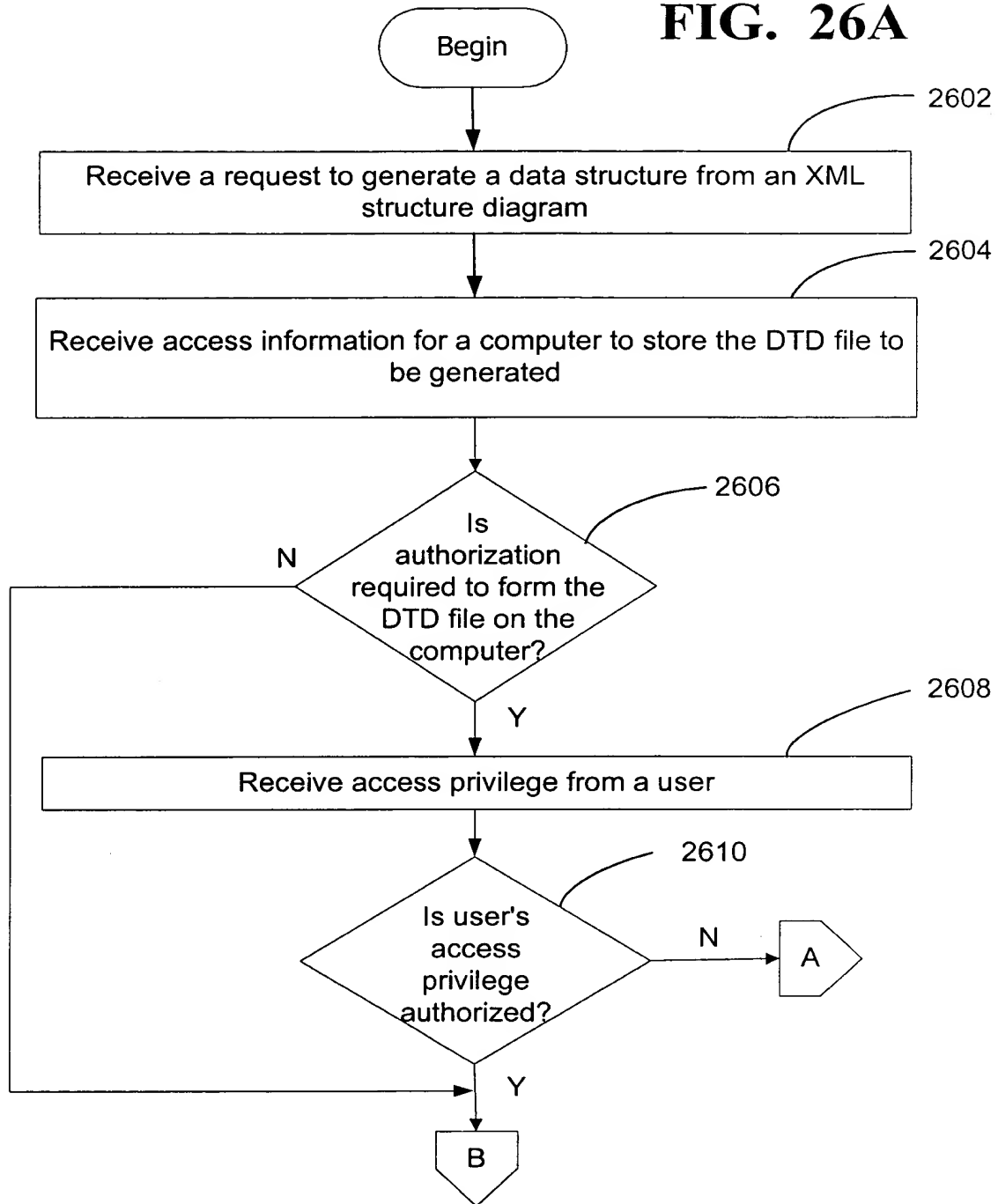
2416

2412

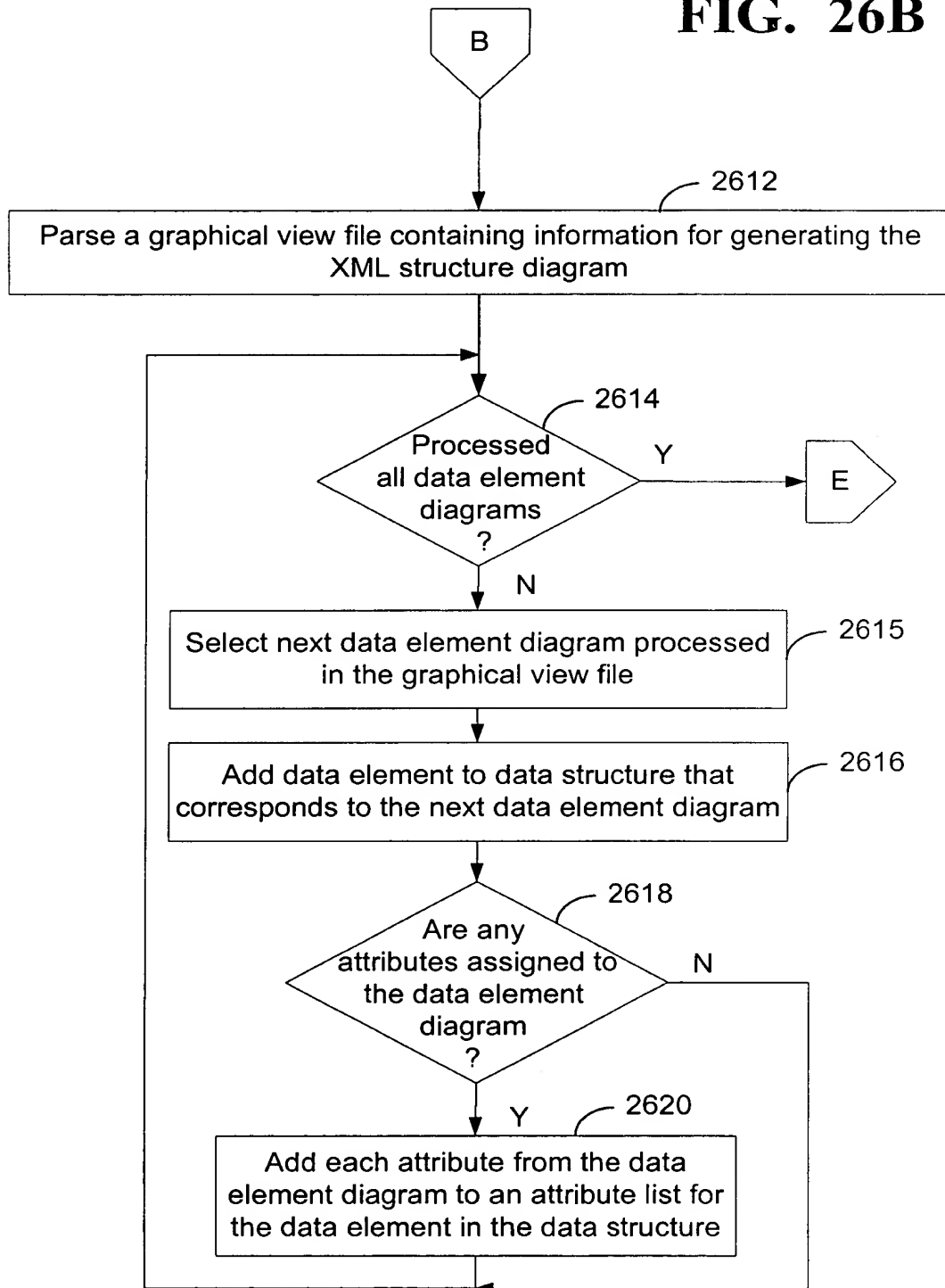
# FIG. 25



**FIG. 26A**



**FIG. 26B**



093924-04001

FIG. 26C

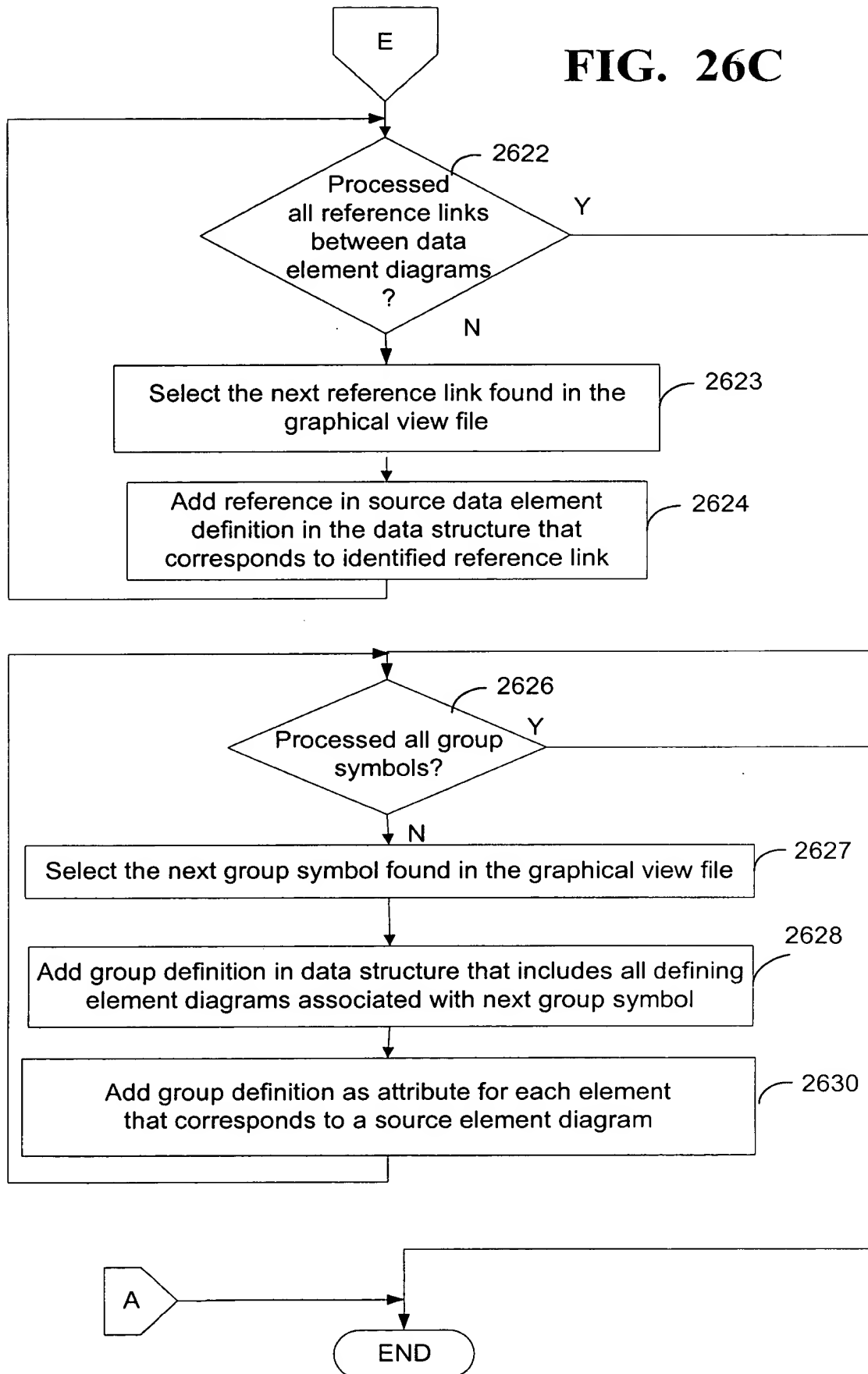


FIG. 27

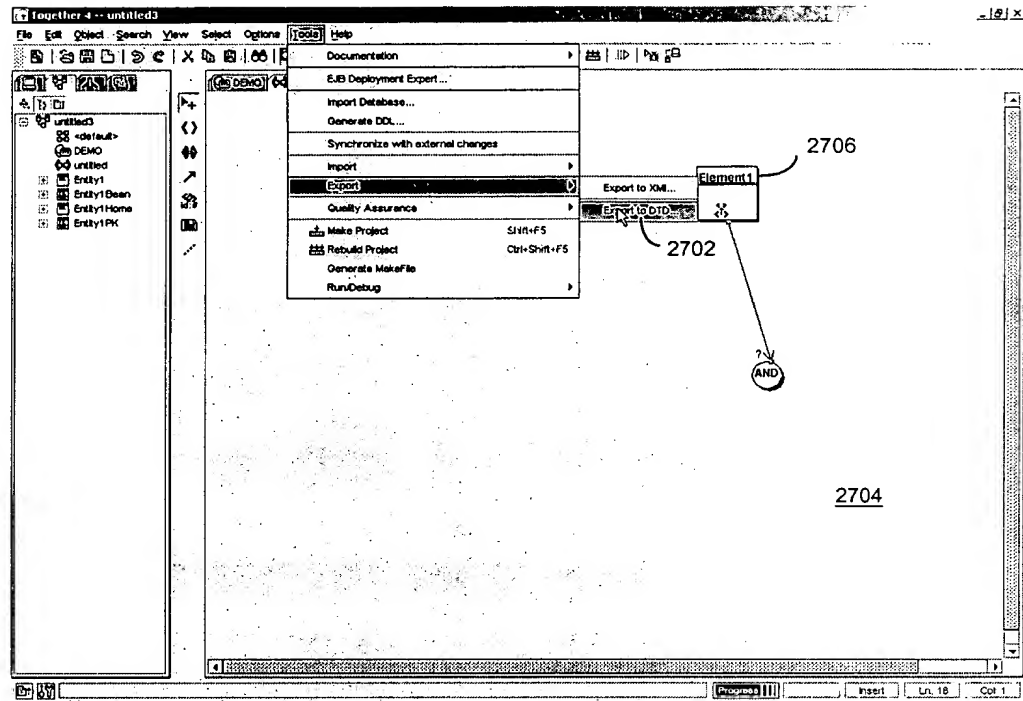




FIG. 28

